



IDS/ #6  
JUL 16 2003

Docket No.: LUD5611.2 DIV  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Dr. Sophie Lucas, et al.

Application No.: 10/085,108

Group Art Unit: 1642

Filed: March 1, 2002

Examiner: Not Yet Assigned

For: ISOLATED NUCLEIC ACID MOLECULES  
CODING FOR TUMOR REJECTION  
ANTIGEN PRECURSORS OF MEMBERS OF  
THE MAGE-C AND MAGE-B FAMILIES  
AND USES THEREOF

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Copies of the following references on PTO/SB/08 are attached.

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U.S. Patent Document

JUL 17 2003

5,512,444      Patard et al.      April 30, 1996

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OTHER DOCUMENTS

Hiroshi INOUE et al., "The Expression of Tumor-Rejection Antigen "MAGE" Genes in Human Gastric Carcinoma" GASTROENTEROLOGY 1995; 109:1522-1525

James P. TAM et al., "Incorporation of T and B Epitopes of the Circumsporozoite Protein in a Chemically Defined Synthetic Vaccine Against Malaria" J. Exp. Med. Volume 171, January 1990, 299-309.

Kyogo ITOH, et al. "Human Tumor Rejection Antigens MAGE" J. Biochem. Vol. 119(3), 385-390 (1996).

Scott A. THOMSON et al., "Recombinant Polyepitope Vaccines for the Delivery of Multiple CD8 Cytotoxic T Cell Epitopes" The Journal of Immunology, 157: 822-826 (1996).

Scott A. THOMSON et al., "Minimal epitopes expressed in a recombinant polyepitope protein are processed and presented to CD8 cytotoxic T cells: Implications for vaccine design" Proc. Natl. Acad. Sci. USA Vol. 92, pp. 5845-5849, June 1995.

All other documents were previously submitted in related application serial no. 09/468,433 and thus not included herewith.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375.

Dated: July 16, 2003

Respectfully submitted,

By Mary Anne Schofield  
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Registration No.: 36,669

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/085,108
				Filing Date	March 1, 2002
				First Named Inventor	Dr. Sophie Lucas
				Art Unit	1642
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	LUD 5611.2 DIV TECH CENTER 1600/2900

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA		5,512,444	04-30-1996	Patard et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T <sup>6</sup>

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CA	Hiroshi INOUE et al., "The Expression of Tumor-Rejection Antigen "MAGE" Genes in Human Gastric Carcinoma" GASTROENTEROLOGY 1995; 109:1522-1525				
CB	James P. TAM et al., "Incorporation of T and B Epitopes of the Circumsporozoite Protein in a Chemically Defined Synthetic Vaccine Against Malaria" J. Exp. Med. Volume 171, January 1990, 299-309.				
CC	Kyogo ITOH, et al. "Human Tumor Rejection Antigens MAGE" J. Biochem. Vol. 119(3), 385-390 (1996).				
CD	Scott A. THOMSON et al., "Recombinant Polyepitope Vaccines for the Delivery of Multiple CD8 Cytotoxic T Cell Epitopes" The Journal of Immunology, 157: 822-826 (1996).				
CE	Scott A. THOMSON et al., "Minimal epitopes expressed in a recombinant polyepitope protein are processed and presented to CD8 cytotoxic T cells: Implications for vaccine design" Proc. Natl. Acad. Sci. USA Vol. 92, pp. 5845-5849, June 1995.				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.



FORM PTO-1449 (Modified)								ATTY. DOCKET NO. LUD 5611.2 DIV/10202420	SERIAL NO. 10/085,108			
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)								APPLICANTS Sophie LUCAS et al.				
								FILING DATE March 1, 2002	GROUP 1642			
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE			
	AA	5	3	4	2	7	7	4	08/30/94	Boon et al.		
	AB	5	4	0	5	9	4	0	04/11/95	Boon et al.		
	AC	5	4	6	2	8	7	1	10/31/95	Boon-Falleur et al.		<b>RECEIVED</b>
	AD	5	4	8	7	9	7	4	01/30/96	Boon-Falleur et al.		
	AE	5	5	1	9	1	1	7	05/21/96	Wölfel et al.		JUL 17 2003
	AF	5	5	3	0	0	9	6	06/25/96	Wölfel et al.		
	AG	5	5	5	4	5	0	6	09/10/96	van der Bruggen et al.		TECH CENTER 1600/2900
	AH	5	5	5	4	7	2	4	09/10/96	Melief et al.		
FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO			
	AI	9	2	2	0	3	5	6	11/26/92	WO		
	AJ	9	4	0	3	2	0	5	02/17/94	WO		
	AK	9	6	1	0	5	7	7	04/11/96	WO		
	AL	9	6	2	1	6	7	3	07/18/96	WO		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)												
	AM	Bjorkman et al., <u>Nature</u> , 329:512-518 (1987)										
	AN	De Plaen et al., <u>Immunogenetics</u> , 40:360-369 (1994)										
	AO	Falk et al., <u>Nature</u> , 351:290-296 (1991)										
	AP	Gilbert et al., <u>Nat. Biotechnol.</u> , 15(12):1280-1284 (1997)										
	AQ	Lynch et al., <u>Eur. J. Immunol.</u> , 21:1403-1410 (1991)										
	AR	Muscatelli et al., <u>Proc. Natl. Acad. Sci. USA</u> , 92:4987-4991 (1995)										
	AS	Oaks et al., <u>Cancer Research</u> , 54:1627-1629 (1994)										
	AT	Parker et al., <u>J. Immunol.</u> , 152:163 (1994)										
EXAMINER						DATE CONSIDERED						

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FORM PTO-1449 (Modified)								ATTY. DOCKET NO. LUD 5611.2 DIV/10202420	SERIAL NO. 10/085,108		
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AU	5	5	5	8	9	9	5	09/24/96	van der Bruggen et al.	
	AV	5	5	7	1	7	1	1	01/05/96	van der Bruggen et al.	
	AW	5	5	8	5	4	6	1	12/17/96	Townsend et al.	
	AX	5	5	8	9	3	3	4	12/31/96	Coulie et al.	RECEIVED
	AY	5	6	4	8	2	2	6	07/15/97	Van den Eynde et al.	JUL 17 2003
	AZ	5	6	8	3	8	8	6	11/04/97	van der Bruggen et al.	
	BA	5	8	1	1	5	1	9	09/22/98	Lethe et al.	
	BB	5	8	2	1	1	2	2	10/13/98	Guilloux et al.	TECH CENTER 1600/2900
FOREIGN PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)											
	BC	Rötzschke et al., <u>Nature</u> , 348:252-254 (1990)									
	BD	Ruppert et al., <u>Cell</u> , 74:929-937 (1993)									
	BE	Tam et al., <u>J. Exp. Med.</u> , 171(1):299-306 (1990)									
	BF	Thomson et al., <u>Proc. Natl. Acad. Sci. USA</u> , 92(13):5845-5849 (1995)									
	BG	Thompson et al., <u>Nucl. Acids. Res.</u> , 22:4673-4680 (1994)									
	BH	Traversari et al., <u>J. Exp. Med.</u> , 176:1453-1457 (1992)									
	BI	Traversari et al., <u>Immunogenetics</u> , 35:145 (1992)									
	BJ	Van der Bruggen et al., <u>Science</u> , 254:1643 (1992)									
	BK	Walter et al., <u>Nature Genet.</u> , 7:22-28 (1994)									
EXAMINER					DATE CONSIDERED						

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PRECURSORS OF MEMBERS OF THE MAGE-  
C AND MAGE-B FAMILIES AND USES  
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TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Information Disclosure Statement;
2. PTO/SB/O8A Form; and
3. References.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. LUD 5611.2 DIV.

Dated: July 16, 2003

Respectfully submitted,

By Mary Anne Schofield  
Mary Anne Schofield  
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